

**STIC Biotechnology Systems Branch**

**RAW SEQUENCE LISTING**  
**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/536,880  
Source: PT  
Date Processed by STIC: 3/20/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

already sent copy



PCT

## RAW SEQUENCE LISTING

DATE: 03/20/2006

PATENT APPLICATION: US/10/536,880

TIME: 12:16:22

Input Set : A:\272924US0PCT.ST25.txt

Output Set: N:\CRF4\03202006\J536880.raw

3 <110> APPLICANT: Onoue, Satomi  
4 Endo, Kousuke  
5 Matsumoto, Asami  
7 <120> TITLE OF INVENTION: PEPTIDES AND MEDICINAL COMPOSITIONS CONTAINING THE SAME  
9 <130> FILE REFERENCE: 272924US0PCT  
11 <140> CURRENT APPLICATION NUMBER: 10/536,880  
12 <141> CURRENT FILING DATE: 2005-05-27  
14 <150> PRIOR APPLICATION NUMBER: PCT/JP03/14924  
15 <151> PRIOR FILING DATE: 2003-11-21  
17 <150> PRIOR APPLICATION NUMBER: JP 2002-344523  
18 <151> PRIOR FILING DATE: 2002-11-27  
20 <160> NUMBER OF SEQ ID NOS: 34  
22 <170> SOFTWARE: PatentIn version 3.3  
24 <210> SEQ ID NO: 1  
25 <211> LENGTH: 27  
26 <212> TYPE: PRT  
27 <213> ORGANISM: Artificial  
29 <220> FEATURE:  
30 <223> OTHER INFORMATION: Synthetic Peptide  
33 <220> FEATURE:  
34 <221> NAME/KEY: MISC\_FEATURE  
35 <222> LOCATION: (5)..(5)  
36 <223> OTHER INFORMATION: Xaa = Val or Ile  
38 <220> FEATURE:  
39 <221> NAME/KEY: MISC\_FEATURE  
40 <222> LOCATION: (8)..(8)  
41 <223> OTHER INFORMATION: Xaa = Asp, Glu or Ala  
43 <220> FEATURE:  
44 <221> NAME/KEY: MISC\_FEATURE  
45 <222> LOCATION: (9)..(9)  
46 <223> OTHER INFORMATION: Xaa = Asn or Ser  
48 <220> FEATURE:  
49 <221> NAME/KEY: MISC\_FEATURE  
50 <222> LOCATION: (11)..(11)  
51 <223> OTHER INFORMATION: Xaa = Thr or Ser  
53 <220> FEATURE:  
54 <221> NAME/KEY: MISC\_FEATURE  
55 <222> LOCATION: (13)..(13)  
56 <223> OTHER INFORMATION: Xaa = Leu or Tyr  
58 <220> FEATURE:  
59 <221> NAME/KEY: MISC\_FEATURE  
60 <222> LOCATION: (15)..(15)  
61 <223> OTHER INFORMATION: Xaa = Lys or Arg

Does Not Comply  
Corrected Diskette Needed

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/536,880

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Input Set : A:\272924US0PCT.ST25.txt

Output Set: N:\CRF4\03202006\J536880.raw

63 <220> FEATURE:  
 64 <221> NAME/KEY: MISC\_FEATURE  
 65 <222> LOCATION: (17)..(17)  
 66 <223> OTHER INFORMATION: Xaa = Leu or nLeu *Nle?*  
 68 <220> FEATURE:  
 69 <221> NAME/KEY: MISC\_FEATURE  
 70 <222> LOCATION: (20)..(20)  
 71 <223> OTHER INFORMATION: Xaa = Lys or Arg  
 73 <220> FEATURE:  
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 75 <222> LOCATION: (21)..(21)  
 76 <223> OTHER INFORMATION: Xaa = Lys or Arg  
 78 <220> FEATURE:  
 79 <221> NAME/KEY: MISC\_FEATURE  
 80 <222> LOCATION: (26)..(26)  
 81 <223> OTHER INFORMATION: Xaa = Ile or Val  
 83 <220> FEATURE:  
 84 <221> NAME/KEY: misc\_feature  
 95 <222> LOCATION: (27)..(27)  
 86 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
 88 <400> SEQUENCE: 1  
 W--> 90 His Ser Asp Ala Xaa Phe Thr Xaa Xaa Tyr Xaa Arg Xaa Arg Xaa Gln  
 91 1 5 10 15  
 W--> 94 Xaa Ala Val Xaa Xaa Tyr Leu Ala Ala Xaa Xaa  
 95 20 25  
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 101 <213> ORGANISM: Artificial  
 103 <220> FEATURE:  
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 107 <220> FEATURE:  
 108 <221> NAME/KEY: MOD\_RES  
 109 <222> LOCATION: (28)..(28)  
 110 <223> OTHER INFORMATION: Amidation  
 112 <400> SEQUENCE: 2  
 114 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln  
 115 1 5 10 15  
 118 Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn  
 119 20 25  
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 123 <211> LENGTH: 27  
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 127 <220> FEATURE:  
 128 <223> OTHER INFORMATION: Synthetic Peptide  
 131 <220> FEATURE:  
 132 <221> NAME/KEY: MOD\_RES  
 133 <222> LOCATION: (27)..(27)

*If so, please use "Nle",  
 instead, per representation  
 in the sequence tables.*

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Input Set : A:\272924US0PCT.ST25.txt

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134 <223> OTHER INFORMATION: Amidation  
 136 <400> SEQUENCE: 3  
 138 His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln  
 139 1 5 10 15  
 142 Met Ala Val Lys Lys Tyr Leu Ala Ala Val Leu  
 143 20 25  
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 147 <211> LENGTH: 38  
 148 <212> TYPE: PRT  
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 151 <220> FEATURE:  
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 155 <220> FEATURE:  
 156 <221> NAME/KEY: MOD\_RES  
 157 <222> LOCATION: (38)..(38)  
 158 <223> OTHER INFORMATION: Amidation  
 160 <400> SEQUENCE: 4  
 162 His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln  
 163 1 5 10 15  
 166 Met Ala Val Lys Lys Tyr Leu Ala Ala Val Leu Gly Lys Arg Tyr Lys  
 167 20 25 30  
 170 Gln Arg Val Lys Asn Lys  
 171 35  
 174 <210> SEQ ID NO: 5  
 175 <211> LENGTH: 31  
 176 <212> TYPE: PRT  
 177 <213> ORGANISM: Artificial  
 180 <220> FEATURE:  
 181 <221> NAME/KEY: MOD\_RES  
 182 <222> LOCATION: (31)..(31)  
 183 <223> OTHER INFORMATION: Amidation  
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 187 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Arg Gln  
 188 1 5 10 15  
 191 Leu Ala Val Arg Arg Tyr Leu Asn Ser Ile Leu Asn Gly Arg Arg  
 192 20 25 30  
 195 <210> SEQ ID NO: 6  
 196 <211> LENGTH: 30  
 197 <212> TYPE: PRT  
 198 <213> ORGANISM: Artificial  
 200 <220> FEATURE:  
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 204 <220> FEATURE:  
 205 <221> NAME/KEY: MOD\_RES  
 206 <222> LOCATION: (30)..(30)  
 207 <223> OTHER INFORMATION: Amidation  
 209 <400> SEQUENCE: 6  
 211 His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Arg Gln  
 212 1 5 10 15

C--&gt;

Artificial  
needs exploration in 2207-2237 section

## RAW SEQUENCE LISTING

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Input Set : A:\272924US0PCT.ST25.txt

Output Set: N:\CRF4\03202006\J536880.raw

215 Leu Ala Val Arg Arg Tyr Leu Ala Ala Val Leu Gly Arg Arg  
216           20                   25                   30  
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222 <213> ORGANISM: Artificial  
224 <220> FEATURE:  
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228 <220> FEATURE:  
229 <221> NAME/KEY: MOD\_RES  
230 <222> LOCATION: (38)..(38)  
231 <223> OTHER INFORMATION: Amidation  
233 <400> SEQUENCE: 7  
235 His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Arg Gln  
236 1                   5                   10                   15  
239 Leu Ala Val Arg Arg Tyr Leu Ala Ala Val Leu Gly Arg Arg Tyr Arg  
240           20                   25                   30  
243 Gln Arg Val Arg Asn Arg  
244           35  
247 <210> SEQ ID NO: 8  
248 <211> LENGTH: 25  
249 <212> TYPE: PRT  
250 <213> ORGANISM: Artificial  
252 <220> FEATURE:  
253 <223> OTHER INFORMATION: Synthetic Peptide  
256 <220> FEATURE:  
257 <221> NAME/KEY: MOD\_RES  
258 <222> LOCATION: (25)..(25)  
259 <223> OTHER INFORMATION: Amidation  
261 <400> SEQUENCE: 8  
263 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln  
264 1                   5                   10                   15  
267 Met Ala Val Lys Lys Tyr Leu Asn Ser  
268           20                   25  
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272 <211> LENGTH: 25  
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276 <220> FEATURE:  
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281 <221> NAME/KEY: MOD\_RES  
282 <222> LOCATION: (17)..(17)  
283 <223> OTHER INFORMATION: Oxidation  
285 <400> SEQUENCE: 9  
287 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln  
288 1                   5                   10                   15  
291 Met Ala Val Lys Lys Tyr Leu Asn Ser  
292           20                   25

## RAW SEQUENCE LISTING

DATE: 03/20/2006

PATENT APPLICATION: US/10/536,880

TIME: 12:16:22

Input Set : A:\272924US0PCT.ST25.txt

Output Set: N:\CRF4\03202006\J536880.raw

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295 <210> SEQ ID NO: 10
296 <211> LENGTH: 23
297 <212> TYPE: PRT
298 <213> ORGANISM: Artificial
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301 <223> OTHER INFORMATION: Synthetic Peptide
304 <220> FEATURE:
305 <221> NAME/KEY: MOD_RES
306 <222> LOCATION: (23)..(23)
307 <223> OTHER INFORMATION: Amidation
309 <400> SEQUENCE: 10
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312 1 5 10 15
315 Leu Ala Val Lys Lys Tyr Leu
316 20
319 <210> SEQ ID NO: 11
320 <211> LENGTH: 23
321 <212> TYPE: PRT
322 <213> ORGANISM: Artificial
324 <220> FEATURE:
325 <223> OTHER INFORMATION: Synthetic Peptide
328 <220> FEATURE:
329 <221> NAME/KEY: MOD_RES
330 <222> LOCATION: (23)..(23)
331 <223> OTHER INFORMATION: Amidation
333 <400> SEQUENCE: 11
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336 1 5 10 15
339 Leu Ala Val Arg Arg Tyr Leu
340 20
343 <210> SEQ ID NO: 12
344 <211> LENGTH: 28
345 <212> TYPE: PRT
346 <213> ORGANISM: Artificial
348 <220> FEATURE:
349 <223> OTHER INFORMATION: Synthetic Peptide
352 <220> FEATURE:
353 <221> NAME/KEY: MOD_RES
354 <222> LOCATION: (28)..(28)
355 <223> OTHER INFORMATION: Amidation
357 <400> SEQUENCE: 12
359 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
360 1 5 10 15
363 Leu Ala Val Lys Lys Tyr Leu Ala Ala Ile Leu Asn
364 20 25
367 <210> SEQ ID NO: 13
368 <211> LENGTH: 30
369 <212> TYPE: PRT
370 <213> ORGANISM: Artificial

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/536,880

DATE: 03/20/2006  
TIME: 12:16:23

Input Set : A:\272924US0PCT.ST25.txt  
Output Set: N:\CRF4\03202006\J536880.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 5, 8, 9, 11, 13, 15, 17, 20, 21, 26, 27  
Seq#:17; Xaa Pos. 17

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28  
Seq#:29,30,31,32,33,34

## VERIFICATION SUMMARY

DATE: 03/20/2006

PATENT APPLICATION: US/10/536,880

TIME: 12:16:23

Input Set : A:\272924US0PCT.ST25.txt

Output Set: N:\CRF4\03202006\J536880.raw

L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:94 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:16  
L:177 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5  
L:492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:16